

REMARKS

Attached hereto is a marked-up version of the changes made to the application by the present Amendment. If clarification of the amendment or application is desired, or if issues are present which the Examiner believes may be quickly resolved, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 18-0160, our Order No. FRR-12920.

Respectfully submitted,

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Attachment: Marked-up version of Amendments

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IN THE CLAIMS:

The claims have been amended as follows:

1. (amended)-~~[Installation]~~ An installation for intermediate storage of flat articles, the installation comprising stations (1) for establishing storage formations each comprising a multitude of articles, and for dissolving storage formations, mobile supporting elements (2) for storage formations and storage spaces (2.1, 2.2) for supporting elements (2) with or without storage formation as well as means for positioning and retrieving supporting elements (2) in and from stations (1) and storage spaces (2.1, 2.2) and transporting ~~[them]~~ said supporting elements (2) between stations (1) and storage spaces (2.1, 2.2), ~~[characterized in that]~~ wherein the storage spaces (2.1, 2.2) are situated on a plurality of primary transport paths (3) and entrances of the stations (1) at ends of primary transport paths (3), ~~[that]~~ at least a part of the primary transport paths (3) intersect a secondary transport path (4), and ~~[that]~~ the installation further comprises at least one actively displaceable positioning device (5) ~~[being equipped]~~ for retrieving, by pulling, and for positioning, by pushing, one supporting element (2) and for transporting the supporting element (2) along the primary transport paths and at least one actively displaceable orienting device (6, 6') ~~[being equipped]~~ for transporting one positioning device with or without supporting element (2) along the secondary transport path (4) and for re-orienting the one positioning device (5).
2. (amended)-~~[Installation]~~ The installation according to claim 1, ~~[characterized in that]~~ wherein the primary transport paths (3) run parallel to one another and transverse to the at least one secondary transport path (4).
3. (amended)-~~[Installation in accordance with one of claims 1 or 2, characterized in that]~~ The installation according to claim 1, wherein the at least one positioning device (5) is an elevating truck (20) with a forklift (21).

Marked-up Version of Amendment

4. (amended)-~~[Installation]~~ The installation according to ~~{one of claims 1 to 3, characterized in that}~~ claim 1, wherein the at least one positioning device (5) is displaceable along guide means.
5. (amended)-~~[Installation in accordance with]~~ The installation according to claim 4, characterized in that the guide means are rails or electrical guide lines.
6. (amended)-~~[Installation]~~ The installation according to ~~{one of claims 1 to 5, characterized in that}~~ claim 1, wherein the at least one orienting device (6, 6') comprises means for holding the positioning device (5) and means for rotating the positioning device (5) around a vertical rotation axis (B).
7. (amended)-~~[Installation]~~ The installation according to claim 6, ~~{characterized in that}~~ wherein the means for rotating around a vertical axis (B) comprise a rotatable supporting frame (32) suspended from a supporting beam (30).
8. (amended)-~~[Installation]~~ The installation according to claim 7, ~~{characterized in that}~~ wherein the vertical axis (B) passes through the area of the ~~{centre}~~ center of gravity of the positioning device (5) being carried by the orienting device (6) and being loaded with a supporting element (2) with a storage formation.
9. (amended)-~~[Installation]~~ The installation according to ~~{one of claims 6 or 7, characterized in that}~~ claim 6, wherein the at least one orienting device (6, 6') is designed for simultaneously re-orienting and transporting the one positioning device (5.1) together with a further positioning device (5.2).
10. (amended)-~~[Installation]~~ The installation according to claim 9, ~~{characterized in that the vertical}~~ wherein the vertical axis (B) is positioned between the two positioning devices (5.1, 5.2) carried by the orienting device (6').
11. (amended)-~~[Installation in accordance with one of claims 6 to 10, characterized in that]~~ The installation according to claim 6, wherein the means for holding comprises a supporting frame (32) and a running substratum (33) arranged in the lower zone of the supporting frame (32), wherein the running substratum (33) is designed in such a manner, that the positioning device (5) is displaceable on it.

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12. (amended) ~~[Installation in accordance with one of claims 6 to 11, characterized in that]~~
The installation according to claim 6, wherein the at least one orienting device (6, 6') additionally comprises means for elevating or lowering the positioning device (5).
13. (amended) ~~[Installation]~~ The installation according to claim 12, [characterized in that]
wherein the means for elevating or lowering comprises a plurality of chain hoists (40), which are synchronously driven and coupled with the supporting beam (30).
14. (amended) ~~[Installation in accordance with one of claims 1 to 13, characterized in that]~~
The installation according to claim 1, wherein the orienting device (6, 6') is movable along a pair of rails (31).
15. (amended) ~~[Installation]~~ The installation according to claim 1, [characterized in that]
wherein the device additionally comprises at least one tertiary partial device (10) for transporting orienting devices (6, 6') along tertiary transport paths.
16. (amended) ~~[Installation in accordance with]~~ The installation according to claim 15,
~~[characterized in that]~~ wherein the at least one tertiary partial device (10) is an elevator.
17. (amended) ~~[Installation in accordance with one of claims 1 to 16, characterized in that]~~
The installation according to claim 1, wherein the stations (1) for establishing or dissolving storage formations are arranged in the area of a first secondary transport path (4.1) and that at least one further, secondary transport path (4.2), parallel to the first secondary transport path (4.1), is provided.
18. (amended) ~~[Installation]~~ The installation according to [one of claims 1 to 17,
~~characterized in that]~~ claim 1, wherein the storage formations are imbricated formations of flat articles wound onto roll cores (11) and ~~[that]~~ the stations (1) are winding stations.
19. (amended) ~~[Installation in accordance with]~~ The installation according to claim 18,
~~[characterized in that]~~ wherein the supporting elements (2) are roll stands with roll cores (11) rotatably installed ~~[on them]~~ thereon.

IN THE ABSTRACT:

The Abstract of the Disclosure has been amended as follows:

ABSTRACT ~~[FOR MANAGING AN]~~ OF THE DISCLOSURE

An installation for intermediate storage of flat articles ~~[e.g. in rolls]~~, in particular ~~[of]~~ printed products, including at ~~[at least]~~ least one positioning device (5) and at least one orienting device (6) ~~[are provided]~~. The installation ~~[comprises]~~ includes a plurality of winding stations (1), a plurality of mobile roll stands (2) and a plurality of storage spaces (2.1, 2.2) for roll stands. The storage spaces (2.1, 2.2) are situated on a plurality of parallel primary transport paths. The primary transport paths (3) intersect at least one secondary transport path (4.1, 4.2). The entrances of the winding stations (1) are arranged along a secondary transport path (4) and are aligned with primary transport paths (3). For retrieving roll stands (2) from storage spaces (2.1, 2.2) and winding stations (1) by pulling and positioning them by pushing, the positioning device (5) is actively displaceable along primary transport paths (3). The orienting device (6) serves for receiving loaded or empty positioning devices (5) in order to re-orient them for subsequent transport steps along primary transport paths (3), in order to displace them along secondary transport paths (4.1, 4.2) and, if so required, in order to raise or lower them to further levels with further storage spaces (2.1, 2.2) and primary and secondary transport paths (3, 4). ~~[The method and the device are applicable in an analogous manner for managing installations for intermediate storage of rolls of flat articles being handled without roll stands but e.g. on pallets, or of other storage formations of flat articles being handled with other, suitable supporting elements.]~~

~~(Figure 10)~~